

### Estonia - More stringent blood donor testing requirements 2015 Mapping exercise

Colour key	
	Minimum requirements as set out in Directive 2004/23/EC
	More stringent testing - legally binding on national level
	More stringent testing - recommended on national level
	Not legally binding and not recommended on national level

## Non-reproductive tissues and cells

Tested pathogen	Donor test/ technique	Legally binding	Recommended on national level	Recommending authority/ association	Circumstances for application			Regional differences	Further comments
					Donor profile	Tissue/cell type	Comments		
<b>VIRAL</b>									
HIV 1 and HIV 2	Anti-HIV 1	YES	NO	N/A	all	all	no comments	NO	No comments
	Anti-HIV 2	YES	NO	N/A	all	all	no comments		
	HIV 1p24								
	HIV NAT	YES	NO	N/A	all	all	where tissues and cells of allogeneic living donors can be stored for long periods, repeat sampling and testing is required after an interval of 180 days. If in a living donor the blood sample is additionally tested by the nucleic acid amplification technique (NAT) for HIV, HBV and HCV, testing of a repeat blood sample is not required.		
	Other technique								
Hepatitis B	HBs Ag	YES	NO	N/A	all	all	no comments	NO	No comments
	Anti-HBc	YES	NO	N/A	all	all	no comments		
	Anti - HBs								

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Tested pathogen	Donor test/ technique	Legally binding	Recommended on national level	Recommending authority/ association	Circumstances for application			Regional differences	Further comments
					Donor profile	Tissue/cell type	Comments		
	HBV NAT	YES	NO	N/A	all	all	where tissues and cells of allogeneic living donors can be stored for long periods, repeat sampling and testing is required after an interval of 180 days. If in a living donor the blood sample is additionally tested by the nucleic acid amplification technique (NAT) for HIV, HBV and HCV, testing of a repeat blood sample is not required.		
	Other technique								
Hepatitis C	Anti-HCV	YES	NO	N/A	all	all	no comments	NO	No comments
	HCV NAT	YES	NO	N/A	all	all	where tissues and cells of allogeneic living donors can be stored for long periods, repeat sampling and testing is required after an interval of 180 days. If in a living donor the blood sample is additionally tested by the nucleic acid amplification technique (NAT) for HIV, HBV and HCV, testing of a repeat blood sample is not required.		
	Other technique								
HTLV-1	Technique not specified							NO	No comments

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Tested pathogen	Donor test/ technique	Legally binding	Recommended on national level	Recommending authority/ association	Circumstances for application			Regional differences	Further comments	
					Donor profile	Tissue/cell type	Comments			
	Anti-HTLV-1	YES	NO	N/A	for donors coming from high risk areas or whose sexual partners or parents come from high risk areas.	all	no comments			
	HTLV-1 NAT									
	Other technique									
HTLV-2	Technique not specified								NO	No comments
	Anti-HTLV-2	YES	NO	N/A	for donors coming from high risk areas or whose sexual partners or parents come from high risk areas.	all	no comments			
	HTLV-2 NAT									
Other technique										
Chikungunya virus										
Cytomegalovirus										
Dengue Virus										
Ebola Virus										
Epstein-Barr virus										
Hepatitis E										
Human Parvovirus B19										
Herpes simplex virus										
West Nile Virus										
specify pathogen										
<b>PARASITIC</b>										
Babesiosis										
Leishmaniasis										
Malaria										
Toxoplasmosis										
Trypanosomiasis										
specify pathogen										
<b>BACTERIAL</b>										
<i>Treponema pallidum</i> (Syphilis)	Technique not specified	YES	NO	N/A	non-partner donation	all		NO	No comments	
	Anti- <i>T. pallidum</i>	YES	NO	N/A	all	all	no comments			
	Microscopy									
	<i>T. pallidum</i> NAT									
Other technique										
<i>Chlamydia trachomatis</i>										
<i>Neisseria gonorrhoeae</i>										
Brucellosis										
Tuberculosis										
Q-fever										

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					Donor profile	Tissue/cell type	Comments		
specify pathogen									
<b>FUNGI</b>									
specify pathogen									
<b>Transmissible spongiform encephalopathies</b>									
<b>Other Tests</b>									
ABO blood group testing									
RhD blood group testing									
HLA testing									
Genetic testing, please specify condition									

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	More stringent testing - legally binding on national level
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### Reproductive tissues and cells

Tested pathogen	Donor test/ technique	Legally binding	Recommended on national level	Recommending authority/ association	Circumstances for application			Regional differences	Further comments
					Donor profile	Tissue/cell type	Comments		
<b>VIRAL</b>									
HIV 1 and HIV 2	Anti-HIV 1	YES	NO	N/A	all	all	no comments	NO	
	Anti-HIV 2	YES	NO	N/A	all	all	no comments		
	HIV 1p24								
	HIV NAT	YES	NO	N/A	all	sperm donations other than by partners will be quarantined for a minimum of 180 days, after which repeat testing is required. If the blood donation sample is additionally tested by the nucleic acid amplification technique (NAT) for HIV, HBV and HCV, testing of a repeat blood sample is not required.	no comments		
	Other technique								
Hepatitis B	HBs Ag	YES	NO	N/A	all	all	no comments	NO	
	Anti-HBc	YES	NO	N/A	all	all	no comments		
	Anti - HBs								

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					Donor profile	Tissue/cell type	Comments		
	HBV NAT	YES	NO	N/A	all	sperm donations other than by partners will be quarantined for a minimum of 180 days, after which repeat testing is required. If the blood donation sample is additionally tested by the nucleic acid amplification technique (NAT) for HIV, HBV and HCV, testing of a repeat blood sample is not required.	no comments		
	Other technique								
Hepatitis C	Anti-HCV	YES	NO	N/A	all	all	no comments	NO	
	HCV NAT	YES	NO	N/A	all	sperm donations other than by partners will be quarantined for a minimum of 180 days, after which repeat testing is required. If the blood donation sample is additionally tested by the nucleic acid amplification technique (NAT) for HIV, HBV and HCV, testing of a repeat blood sample is not required.	no comments		
	Other technique								
HTLV-1	Technique not specified							NO	
	Anti-HTLV-1	YES	NO	N/A	For donors coming from high risk areas or whose sexual partners or parents come from high risk areas.	all			
	HTLV-1 NAT								
	Other technique								

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					Donor profile	Tissue/cell type	Comments		
HTLV-2	Technique not specified							NO	
	HTLV-2 NAT								
	Anti-HTLV-2	YES	NO	N/A	For donors coming from high risk areas or whose sexual partners or parents come from high risk areas.	all			
	Other technique								
Chikungunya virus									
Cytomegalovirus									
Dengue Virus									
Ebola Virus									
Epstein-Barr virus									
Hepatitis E									
Human Parvovirus B19									
Herpes simplex virus									
West Nile Virus									
specify pathogen									
<b>PARASITIC</b>									
Babesiosis									
Leishmaniasis									
Malaria									
Toxoplasmosis									
Trypanosomiasis									
Trichomoniasis	Technique not specified	YES	NO	N/A	all	all	no comments	NO	
	specify technique								
<b>BACTERIAL</b>									
<i>Treponema pallidum</i> (Syphilis)	Technique not specified	YES	NO	N/A	non-partner donation	all		NO	
	Anti- <i>T. pallidum</i>	YES	NO	N/A	all	all	no comments		
	Microscopy								
	<i>T. pallidum</i> NAT								
	Other technique								
<i>Chlamydia trachomatis</i>	Technique not specified	YES	NO	N/A	all	all	no comments	NO	
	<i>C. trachomatis</i> DFA								
	<i>C. trachomatis</i> EIA								
	<i>C. trachomatis</i> NAT	YES	NO	N/A	non-partner donation	all			
	Culture								
	Other technique								
<i>Neisseria gonorrhoeae</i>	Technique not specified	YES	NO	N/A	all	all	no comments	NO	
	<i>N. gonorrhoeae</i> NAT								
	Culture								
	Other technique								
Brucellosis									
Tuberculosis									
Q-fever									
specify pathogen									

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<b>FUNGI</b>									
specify pathogen									
<b>Transmissible spongiform encephalopathies</b>									
<b>Other Tests</b>									
ABO blood group testing									
RhD blood group testing									
HLA testing									
Genetic testing, please specify condition	Specify technique	YES	NO	N/A	all	all	other genetic tests are performed based on risk analysis	NO	
Genetic testing, please specify condition	Specify technique	YES	NO	N/A	all	testing for fragile X syndrome for egg donors	other genetic tests are performed based on risk analysis	NO	
Genetic testing, please specify condition: cystic fibrosis	Specify technique	YES	NO	N/A	all		chromosomal analysis of peripheral blood and genetic testing for cystic fibrosis	NO	